

# AIMB-280

Intel Core i7/Core i5/Core i3 Mini-ITX with  
VGA/DVI, 2 COM, Dual LAN, PCIe 16

**NEW**



CE FCC

## Features

- Supports Intel Core i7/Core i5 processor with Q57 chipset
- One DIMM socket support up to 4 GB DDR3 800/1066/1333
- Supports dual display of VGA and DVI and dual GbE LAN
- Supports 2 COM, 8 USB, and 4 SATA
- Supports embedded software APIs and Utilities

### Software APIs:



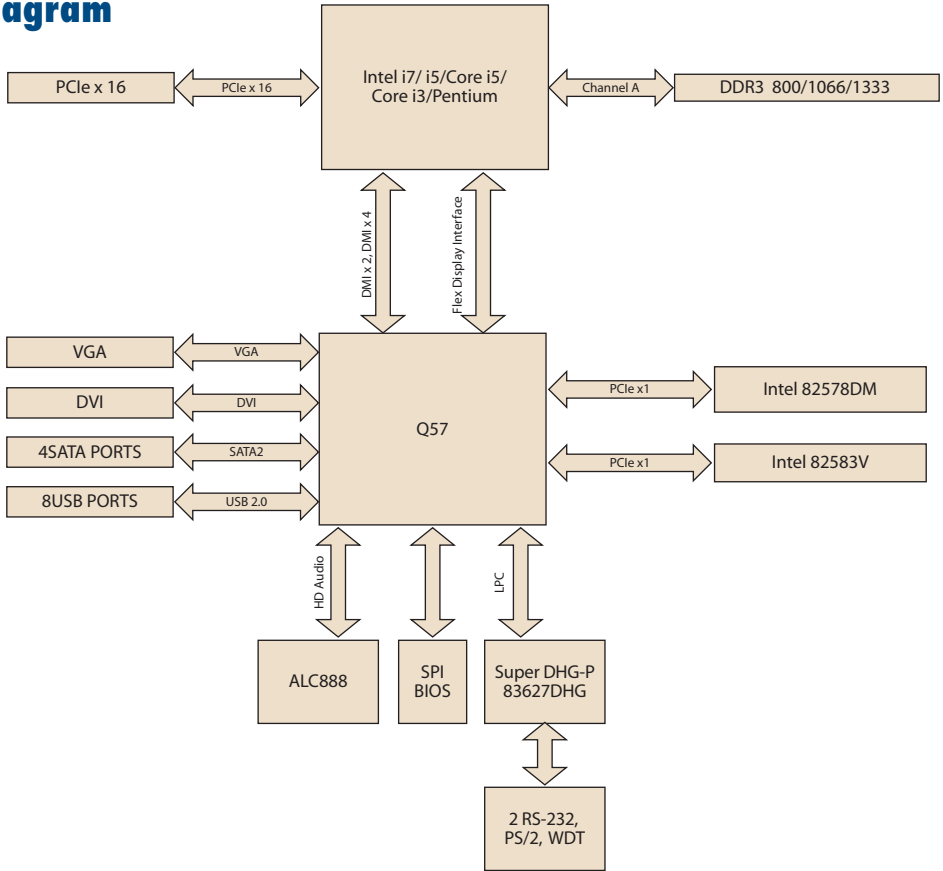
### Utilities:



## Specifications

	CPU	Corei7	Corei5 700	Core i5 600	Core i3	Pentium
Processor System	Max. Speed	4	4	2	2	2
	Max. speed	2.93 Ghz	2.66 Ghz	3.3 GHz	3.06 GHz	2.8 GHz
	Integrated Graphic	Only those Core i5 600, Core i3 and Pentium CPUs with Clarkdale core are embedded with integrated				
	L2 Cache	8 MB	8 MB	4 MB	4 MB	3 MB
	Chipset	Q57				
	BIOS	AMI 64 Mbit SPI				
Expansion Slot	PCI	-				
	Mini-PCI	-				
	PCIe x16 (Gen2)	8 GB/s per direction, 1 slot				
Memory	Technology	DDR3 800/1066/1333				
	Max. Capacity	4 GB				
	Socket	1 x 240-pin DIMM				
Graphics	Controller	Intel GFX (only Clarkdale)				
	VRAM	2 GB and Above Total System Memory shared 1GB Maximum video memory				
Ethernet	Interface	10/100/1000 Mbps				
	Controller	GbE LAN1: Intel 82578DM, LAN2: Intel 82583V				
	Connector	RJ-45 x 2				
SATA	Max Data Transfer Rate	300 MB/s				
	Channel	4				
Rear I/O	VGA	1				
	DVI	1				
	Ethernet	2				
	USB	4 (USB 2.0 compliant)				
	Audio	3 (Mic-in, Line-out, Line-in)				
	Serial	2 (1 of RS-232, 1 of RS-232/422/485)				
	PS/2	2 (1 x keyboard and 1 x mouse)				
	USB	4 (USB 2.0 compliant)				
Internal Connector	Serial	-				
	IDE	-				
	SATA	4				
	CompactFlash	-				
	Parallel	-				
	IrDA	-				
	DIO	-				
	Watchdog Timer	Output	System reset			
Interval		Programmable 1 ~ 255 sec/min				
Power Requirement	Power On	5 V	3.3 V	12 V	5 Vsb	-12 V
		TBD	TBD	TBD	TBD	TBD
Environment		Operating			Non-Operating	
	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution			-20 ~ 70° C (-4 ~ 158° F)	
Physical Characteristics	Dimensions	170 mm x 170 mm (6.69" x 6.69")				

**Board Diagram**



**Ordering Information**

Part Number	VGA	DVI	GbE LAN	COM
AIMB-280G2-00A1E	Yes	Yes	2	2

**Bracket View**



**Packing List**

Part Number	Description	Quantity
	AIMB-280	x 1
1700003194	SATA HDD cable	x 2
1703150102	SATA Power cable	x 2
1960019193T100	I/O port bracket	x 1
2006028010	Startup manual	x 1
2066028000	Driver CD	x 1

**Accessories**

Part Number	Description
1700002204	Dual port USB cable (27 cm) with bracket
TBD	LGA1156 CPU cooler for 2U and wallmount chassis